



McCABE ENVIRONMENTAL SERVICES, L.L.C.

464 Valley Brook Ave • Lyndhurst NJ, 07071 • Phone: (201) 438-4839 / Fax: (201) 438-1798

A LIMITED ASBESTOS INSPECTION

Conducted for:

Shaw Environmental & Infrastructure, Inc.
150 Royall Street
Canton, MA 02021

Conducted at:

APPLICANT NO.: LMI0001673
Ray, Ronald
14 West 3rd Street
Moonachie, New Jersey 07074
Telephone: 201-679-0687



Submitted by:

McCabe Environmental Services, L.L.C.
464 Valley Brook Avenue
Lyndhurst, New Jersey 07071

DATE: February 16, 2016

REPORT NO.: 15-02809

Prepared by:

Matthew Smith
Environmental Scientist

Signed for the Company by:

John H. Chiaviello
Vice President

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McCabe Environmental Services, L.L.C.

Client: Shaw Environmental & Infrastructure, Inc.

Date: February 16, 2016

Project Number: 15-02809

Applicant Number: LMI0001673

1.0 INTRODUCTION

In response to the request from Shaw Environmental & Infrastructure, Inc., McCabe Environmental Services, L.L.C. conducted a limited asbestos inspection at the following location:

Site: Ray, Ronald
14 West 3rd Street
Moonachie, New Jersey 07074
Applicant No: LMI0001673
Client: Shaw Environmental & Infrastructure, Inc.
Contact Person: Mr. Nevin Shanabrook
Contact E-mail: nevin.shanabrook@cbi.com
Project No: 15-02809

This limited inspection was conducted to determine the presence of asbestos-containing materials (ACM) that will be impacted during the work at the residential property. ACM is defined as any material with an asbestos content of greater than 1 percent. McCabe Environmental Services, L.L.C.'s Certified Asbestos Inspector for this project was Matthew Manthey.

Date of site investigation and report preparation:

Site Visit: February 9, 2016 Start Time: 12:00 PM Finish Time: 1:30 PM
Report Date: February 16, 2016

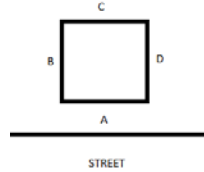
Field Procedures and Analytical Methodology:

All inaccessible areas and materials should be assumed to be ACM unless previous testing or additional sampling shows negative results. As per, Shaw Environmental & Infrastructure, Inc., a limited inspection was conducted by sampling suspect asbestos containing material and/or presuming suspect asbestos containing material as asbestos containing.

Guidelines used for the asbestos inspection were established by the Environmental Protection Agency (EPA) in the Guidance for Controlling Asbestos Containing Materials in Buildings, Office of Pesticides and Toxic Substances, DOC #560/5-85-024 and 40 CFR Part 763, Asbestos Hazard Emergency Response Act (AHERA). Field information was organized as per the AHERA concept of Homogeneous Area (HA). A HA is defined as a suspect material of similar age, appearance, function and texture. Each material was grouped together as a specific HA, and then sampled accordingly. Bulk samples of suspect ACM were analyzed by EMSL Analytical via Polarized Light Microscopy (PLM) with dispersion staining, as described in 40 CFR Part 763 and the National Emissions Standard for Hazardous Air Pollutants (NESHAPS) EPA600/R-93/116 and in accordance with N.J.A.C. 8:60 and 12:120.

2.0 GENERAL STRUCTURE DESCRIPTION

The house is a one-story modular home located at 14 West 3rd Street, Moonachie, New Jersey 07074. The main floor consists of a kitchen, living room, bathroom, laundry closet, utility closet, and two bedrooms. The house is built upon pilings and is framed with wood lumber while featuring aluminum siding on the exterior. This house was built at an unknown date. Side A of the house is designated to the address street side of the structure, with remaining sides being lettered continuing clockwise from Side A.



3.0 SCOPE OF WORK

The inspection was conducted on February 9, 2016, and was characterized by a close visual inspection and comprehensive sampling of suspect asbestos-containing materials throughout the house.

Suspect asbestos-containing materials examined and identified during this inspection included the following:

1. Exterior Caulking
2. Interior Caulking
3. White Linoleum Flooring
4. Brown and White Squared Linoleum Sheet Flooring
5. 10' x 4' Ceiling Panel
6. Flat Roofing Tar

McCabe Environmental Services, L.L.C.

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4.0 SCHEDULE OF INSPECTION RESULTS

The following table presents asbestos inspection results, by homogeneous material, obtained during McCabe Environmental Services, L.L.C.'s investigation:

Homogeneous Material ID #	Sample Location(s)	Material Description	Est. Quantity	No. Samples Collected	Results (Percent ACM)
1	Side A and Side B of House at Windows	Exterior Caulking	310 LF	2	None Detected
2	Bedroom #1 and Bedroom #2	Interior Caulking	150 LF	2	None Detected
3	Kitchen	White Linoleum Flooring	150 SF	2	None Detected
4	Bathroom and Bedroom #1	Brown and White Squared Linoleum Sheet Flooring	60 SF	2	None Detected
5	Bedroom #1	10' x 4' Ceiling Panel	600 SF	2	None Detected

5.0 ASBESTOS-CONTAINING MATERIALS INVENTORY

None of the suspect materials sampled in the course of this inspection were determined to be asbestos-containing.

6.0 PRESUMED ASBESTOS-CONTAINING MATERIALS INVENTORY

An accredited asbestos inspector has presumed the following suspect material(s) as asbestos-containing:

Homogeneous Material ID #	Sample Number	Material Description	Room or Exterior Location	Friable	Asbestos Content	Condition	Quantity/Area
6	N/A	Flat Roofing Tar	Roof	N	Presumed ACM	Good	600 SF

7.0 CONCLUSIONS AND RECOMMENDATIONS:

Laboratory results have identified no asbestos-containing material (ACM) among the suspect materials surveyed. However, several materials that will be impacted during the work, and as listed in Section 6.0 of this report, are presumed asbestos-containing and should be left undisturbed until confirmatory testing can be conducted. These materials, if confirmed asbestos-containing, must be properly abated prior to performing any work that may disturb the aforementioned material. Proper asbestos abatement procedures must be implemented prior to the commencement of such work. All asbestos abatement work shall be performed in accordance with all applicable Federal, State and local rules and regulations. The abatement project shall be filed with all agencies having jurisdiction over this project, such as the New Jersey Department of Labor, Department of Environmental Protection, and the United States Environmental Protection Agency. A licensed asbestos abatement contractor must perform the removal of all the asbestos-containing materials.

This limited inspection encompassed various internal areas and interstitial spaces of the structure. There may be areas, spaces, pipe chases and other hidden conditions within the walls, floors, ceilings, behind stairwells, cabinets etc. that contain ACM that were not identified during this limited inspection. All unidentified materials must be assumed to contain asbestos and be treated as such. Any additional materials not previously identified should be left intact and undisturbed until confirmatory testing can be conducted. Should any demolition or repair work in the subject property uncover materials which have not been identified or sampled as part of this or any previous inspection, they should be assumed to be ACM until they can be properly sampled and laboratory analysis has been reported.

McCabe Environmental Services, L.L.C.

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8.0 Photos:



Side A of House



Side B of House



Exterior Caulking

McCabe Environmental Services, L.L.C.

Client: Shaw Environmental & Infrastructure, Inc.

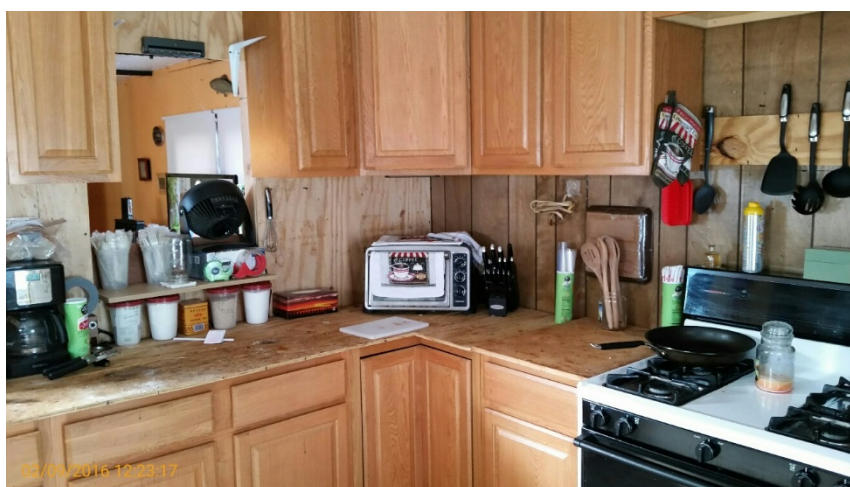
Date: February 16, 2016

Project Number: 15-02809

Applicant Number: LMI0001673



Flat Roofing Tar



Kitchen



Hallway

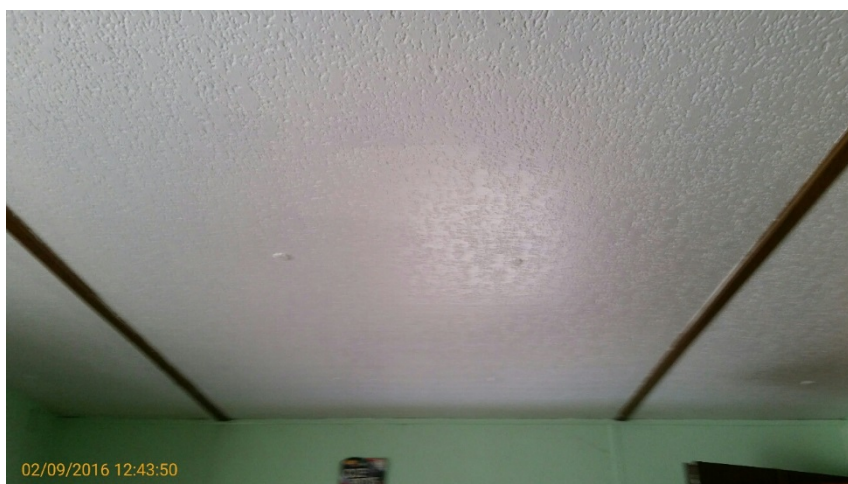
McCabe Environmental Services, L.L.C.

Client: Shaw Environmental & Infrastructure, Inc.

Date: February 16, 2016

Project Number: 15-02809

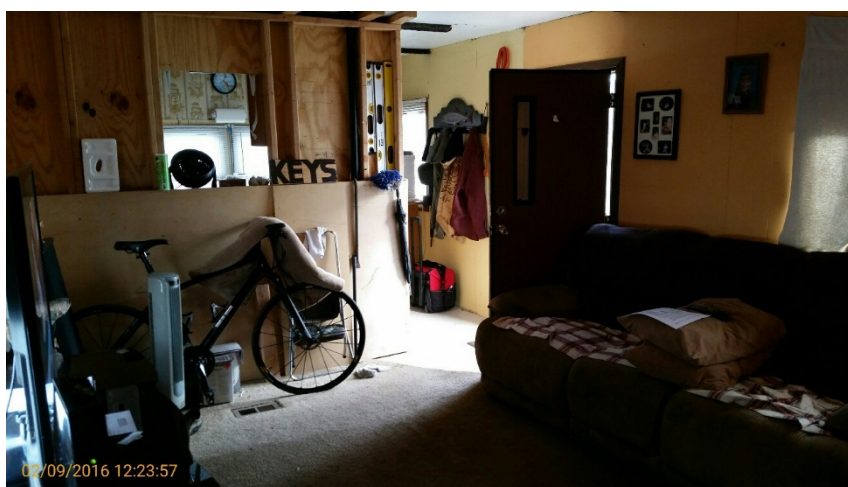
Applicant Number: LMI0001673



10' x 4' Ceiling Panel



Bedroom



Living Room

APPENDIX A:

**LABORATORY CERTIFICATES OF ANALYSIS
&
BULK SAMPLE CHAIN OF CUSTODY**



EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018
 Tel/Fax: (212) 290-0051 / (212) 290-0058
<http://www.EMSL.com / manhattanlab@emsl.com>

EMSL Order: 031603411

Customer ID: MCCA77

Customer PO: 15-02809

Project ID: NJLMI

Attention: Matthew Manthey
 McCabe Environmental Services, LLC
 464 Valley Brook Avenue
 Suite 6
 Lyndhurst, NJ 07071

Phone: (201) 438-4839

Fax: (201) 438-1798

Received Date: 2/ 9/2016 8:10 PM

Analysis Date: 2/12/2016

Collected Date: 2/ 9/2016

Project: 15-02809/ NJLMI/ LMI0001673/ RAY, RONALD/ 14 WEST 3RD STREET/ MOONACHIE NJ/ 07074 (NJLMI)

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID 01673-020916-1-1 031603411-0001		Description EXT/ SIDE A AT WINDOW - EXTERIOR CAULKING Homogeneity Heterogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	2/12/2016	White			Inconclusive: None Detected
TEM NYS 198.4 NOB	2/12/2016	White			None Detected
Sample ID 01673-020916-1-2 031603411-0002		Description EXT/ SIDE B AT WINDOW - EXTERIOR CAULKING Homogeneity Heterogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	2/12/2016	White			Inconclusive: None Detected
TEM NYS 198.4 NOB	2/12/2016	White			None Detected
Sample ID 01673-020916-2-1 031603411-0003		Description 1ST FL/ BEDROOM 2 - WALL D AT WINDOW - INTERIOR CAULKING Homogeneity Heterogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	2/12/2016	White			Inconclusive: None Detected
TEM NYS 198.4 NOB	2/12/2016	White			None Detected
Sample ID 01673-020916-2-2 031603411-0004		Description 1ST FL/ BEDROOM 1 - WALL B AT WINDOW - INTERIOR CAULKING Homogeneity Heterogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	2/12/2016	White			Inconclusive: None Detected
TEM NYS 198.4 NOB	2/12/2016	White			None Detected
Sample ID 01673-020916-3-1 031603411-0005		Description 1ST FL/ KITCHEN - WALL B AT FLOOR - WHITE LINOLEUM FLOORING Homogeneity Heterogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	2/12/2016	White	<1.00% Min. Wool		Inconclusive: None Detected
TEM NYS 198.4 NOB	2/12/2016	White			None Detected

Initial report from: 02/13/2016 08:22:30



EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018
 Tel/Fax: (212) 290-0051 / (212) 290-0058
<http://www.EMSL.com / manhattanlab@emsl.com>

EMSL Order: 031603411

Customer ID: MCCA77

Customer PO: 15-02809

Project ID: NJLMI

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID 01673-020916-3-2 031603411-0006		Description Homogeneity	1ST FL/ KITCHEN - WALL B AT FLOOR - WHITE LINOLEUM FLOORING Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	2/12/2016	White	1.50% Min. Wool		Inconclusive: None Detected
TEM NYS 198.4 NOB	2/12/2016	White			None Detected
Sample ID 01673-020916-4-1 031603411-0007		Description Homogeneity	1ST FL/ BATHROOM AT FLOOR - BROWN + WHITE SQUARED LINOLEUM SHEET FLOORING Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	2/12/2016	Brown/White			Inconclusive: None Detected
TEM NYS 198.4 NOB	2/12/2016	Brown/White			None Detected
Sample ID 01673-020916-4-2 031603411-0008		Description Homogeneity	1ST FL/ BEDROOM 1 - CLOSET AT FLOOR - BROWN + WHITE SQUARED LINOLEUM SHEET FLOORING Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	2/12/2016	Brown/White			Inconclusive: None Detected
TEM NYS 198.4 NOB	2/12/2016	Brown/White			None Detected
Sample ID 01673-020916-5-1 031603411-0009		Description Homogeneity	1ST FL/ BEDROOM 1 - CLOSET AT CEILING - 10' X 4' CEILING PANEL Homogeneous		
PLM NYS 198.1 Friable	2/13/2016	Brown/White	88.00% Cellulose	12.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 01673-020916-5-2 031603411-0010		Description Homogeneity	1ST FL/ BEDROOM 1 - CLOSET AT CEILING - 10' X 4' CEILING PANEL Homogeneous		
PLM NYS 198.1 Friable	2/13/2016	Brown/White	90.00% Cellulose	10.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed

Initial report from: 02/13/2016 08:22:30



EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018
Tel/Fax: (212) 290-0051 / (212) 290-0058
<http://www.EMSL.com / manhattanlab@emsl.com>

EMSL Order: 031603411

Customer ID: MCCA77

Customer PO: 15-02809

Project ID: NJLMI

Test Report: Asbestos Analysis of Bulk Material

The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk Materials via NYS ELAP Approved Methods. The reference number for these samples is the EMSL Order ID above. Please use this reference number when calling about these samples.

Report Comments:

Sample Receipt Date: 2/9/2016
Analysis Completed Date: 2/12/2016

Sample Receipt Time: 8:10 PM
Analysis Completed Time: 4:16 AM

Analyst(s):

Kamel Alawawda PLM NYS 198.1 Friable (1)

Tiquasha Thompson PLM NYS 198.6 NOB (8)

Samples reviewed and approved by:

Shahrakur Mahmud PLM NYS 198.1 Friable (1)

Wioletta Bis TEM NYS 198.4 NOB (8)

James Hall, Laboratory Manager
or Other Approved Signatory

NOB = Non Friable Organically Bound N/A = Not Applicable VCM = Vermiculite Containing Material

-In New York State, TEM is currently the only method that can be used to determine if NOB materials can be considered or treated as non-asbestos containing.

All samples examined for the presence of vermiculite when analyzed via NYS 198.1.

-NYS Guidelines for Vermiculite containing samples are available at http://www.wadsworth.org/labcert/elapcert/forms/VermiculiteInterimGuidance_Rev070913.pdf EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. Samples were received in good condition unless otherwise noted.

This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. This report may contain data that is not covered by the NVLAP accreditation.

Samples analyzed by EMSL Analytical, Inc. New York, NY NYS ELAP 11506

Initial report from: 02/13/2016 08:22:30

BULK SAMPLE DATA AND CHAIN OF CUSTODY FORM

PROJECT INFORMATION

Client: Shaw E & I 150 Royall Street Canton, MA 02021		Project Name: NJLMI	McCabe Project No.: 15-02809	McCabe Project Manager: JHC
		Building ID: LMI0001673	Inspector/Investigator: M. Manthey	
		Project Address: Ray, Ronald 14 West 3 rd Street Moonachie, NJ 07074	Analysis Requested: TAT STAT 12 Hr X 24 Hr Other 6 Hr 18 Hr Normal 72-HR	
Date: 2/9/16	Sampling Areas: Throughout	Comments (Field): STOP AT FIRST POSITIVE NOB-TEM IF NECESSARY		

BULK SAMPLE LOCATION

Homog. Area No.	Sample ID No.	Material	Class (S, TSI, MISC)	Location		QTY (LF, SF, PCS)
				Floor	Coordinates	
1	01673-020916 1-1	Exterior Caulking	Misc	Ext.	Side A at Window	310 LF
↓	01673-020916 1-2	↓	↓	↓	Side Bat Window	↓
2	01673-020916 2-1	Interior Caulking	Misc	1st	Bedroom 2-Wall D at Window	150 LF
↓	01673-020916 2-2	↓	↓	↓	Bedroom 1-Wall B at Window	↓
3	01673-020916 3-1	White Linoleum Flooring	Misc	1st	Kitchen-Wall B at Floor	150 SF
↓	01673-020916 3-2	↓	↓	↓	↓	↓
4	01673-020916 4-1	Brown+White Squared Linoleum Sheet Flooring	Misc	1st	Bathroom at Floor	60 SF
↓	01673-020916 4-2	↓	↓	↓	Bedroom 1-Closet at Floor	↓
5	01673-020916 5-1	10'x4' Ceiling Panel	Misc	1st	Bedroom 1 at Ceiling	600 SF
↓	01673-020916 5-2	↓	↓	↓	↓	↓

CHAIN OF CUSTODY

Relinquished By (Print & Sign Name)	Date	Time	Received By (Print & Sign Name)	Date	Time	Method of Submittal
1. Matthew Manthey	2/9/16	8:09 PM	1. [Signature]	2/9/16	8:10 PM	FIELD WALK-IN
2. Matthew Manthey			2. [Signature]			US MAIL
3. [Signature]			3. [Signature]			OTHER

LAB INFORMATION:

Print & Sign Name	Date	Time	Comments (Lab):
1. Laboratory Analysis Performed By: SHAKUR HAMMUD	2/13/16	5:17 AM	SEND RESULTS TO DATA@MCCABENV.COM
2. Laboratory Analysis Performed By: [Signature]	2/13/16	2:02 PM	
QC By: [Signature]			

McCabe Environmental Services, L.L.C.

Client: Shaw Environmental & Infrastructure, Inc.

Date: February 16, 2016

Project Number: 15-02809

Applicant Number: LMI0001673

APPENDIX B:

PERSONNEL CERTIFICATIONS

McCabe Environmental & Occupational Training Institute

464 Valley Brook Avenue · Lyndhurst, New Jersey 07071 · Phone 201-438-4839 · Fax 201-438-1798

Certificate of Completion

This is to certify that

Matthew Manthey

Successfully completed the
New York State Department of Health approved course entitled
Inspector Refresher

This course meets requirements of TSCA Title II

(The official record of successful training completion a New York State Department of Health Certificate of Asbestos Safety Training (DOH-2832))

Course Date: July 27, 2015

Examination Date: July 27, 2015

Certificate Number: 709747
T-1036-2

Expiration Date: July 27, 2016

Examination Grade:

92%



John H. Chiaviello, Training Director

Language: English
www.mccabeenv.com

McCabe Environmental Services, L.L.C.

Client: Shaw Environmental & Infrastructure, Inc.

Date: February 16, 2016

Project Number: 15-02809

Applicant Number: LMI0001673

APPENDIX C:

DRAWINGS

Client: Shaw E & I

MES# 15-02809

NJLMI-Applicant #LMI0001673

Name: Ray, Ronald

Date: 2/9/16

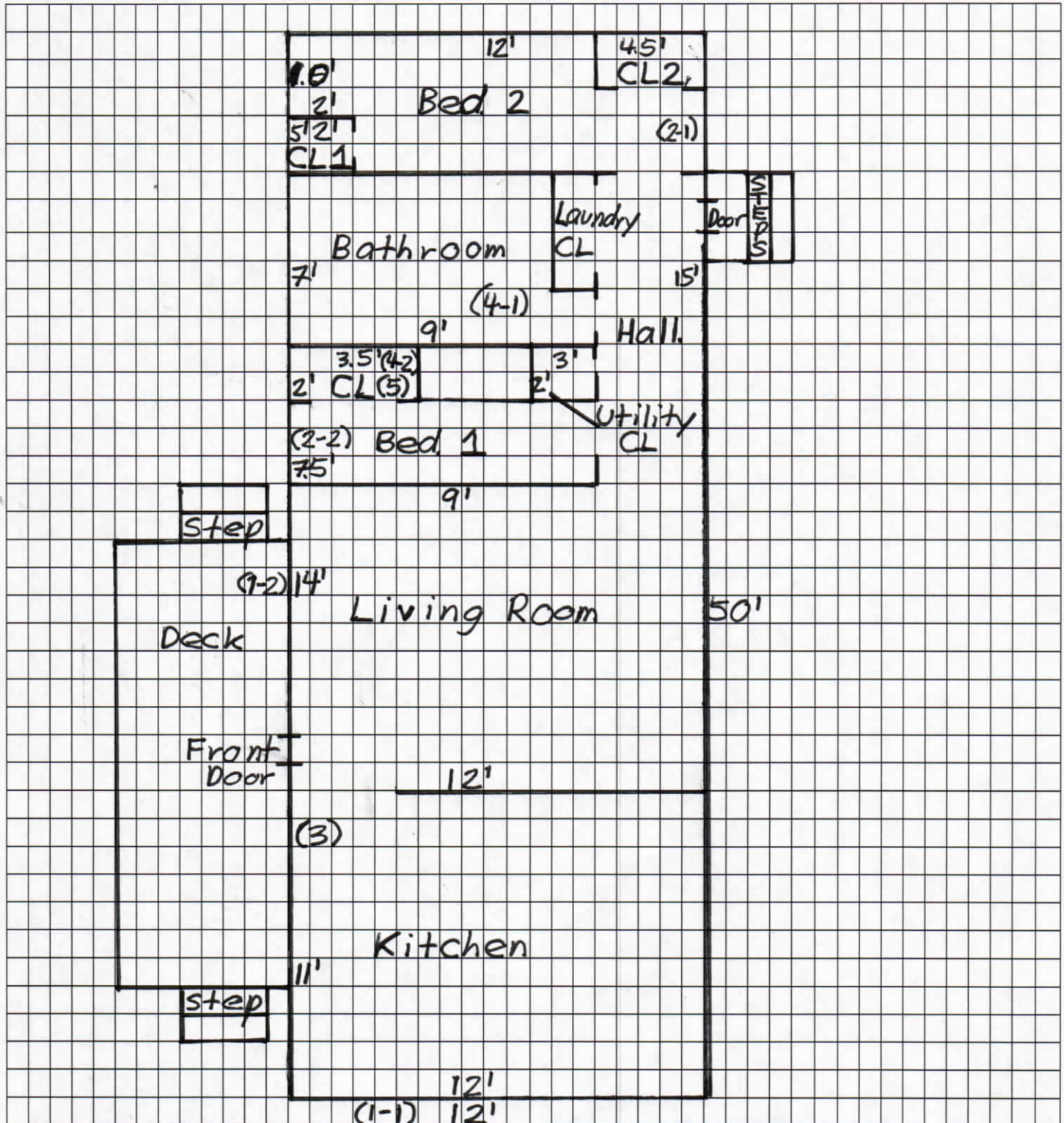
Property Address: 14 West 3rd Street
Moonachie, NJ 07074Start Time/Complete
12:00pm/1:30pm

Sketch Floor Plan – Include Window, Door Locations and Dimensions

C

B

D



A (Street Side)